

INFORMATION REPORT

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COUNTRY: East Germany

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INTERJECT: Production of Polyvinyl Chloride

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THIS IS UNEVALUATED INFORMATION

1. Polyvinyl chloride is produced in the SAC Kautschuk Buna Plant in Schkopau (M 52/D 91) under the trademark Igelit-PCU and in the Werk Sued (Plant South) of the Electrochemical Combine in Bitterfeld (M 52/E 14) as Igelit-PC, Igelit-F and Igelit-G. *

2. Igelit-PCU with about 57 percent chlorine is insoluble in conventional organic solvents. It is also thermoplastic and has a low softening point. The production of bristles requires a polymerization degree (K value) of 64 to 66. Igelit PC is a post-chlorinated kind of polyvinyl chloride with a chlorine content of 64 to 65 percent. It is, therefore, soluble in conventional organic solvents and can be spun. The softening point is somewhat higher. Only Igelit PC can be used for the production of fibers and silk. Igelit-F and Igelit-G are types of polyvinyl chloride with a chlorine content of about 57 percent and with the same properties as Igelit PCU. The polymerization degrees differ from that of Igelit-PCU and range from 62 to 65 for Igelit-F and from 70 to 75 for Igelit-G. Igelit-G is used for soft sheets (Folien) and Igelit-F for hard sheets.

3. The quarterly production of Igelit-PC powder in the Werk Sued of the Electrochemical Combine in Bitterfeld was 220 to 230 tons by mid-1952, 90 tons of which were allocated to the Acta Film Factory in Wolfen (M 52/E 14) of the SAC Potosianka, and 100 tons were exported to the U.S.S.R. Part of the remainder was stored and part was processed into lacquer and glue in the Werk Sued of the Electrochemical Combine in Bitterfeld.

4. Since July 1952, the quarterly production of Igelit-PC powder in the Electrochemical Combine in Bitterfeld has been increased to 320 tons.

* Comment. The production of Igelit-PCU in Schkopau in August 1951 was previously reported. the Buna Plant in Schkopau is scheduled to produce 2,000 tons of polyvinyl chloride and the Electrochemical Combine in Bitterfeld is scheduled to produce 500 tons monthly in the last quarter of 1952. As a rule, 80 percent of the total production is exported.

80 percent of the Buna production was exported and only the remaining 20 percent was allocated to East Germany.

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